

Anti-CD44 antibody (20-178) (STJ114284)

GENERAL INFORMATION

Product Type	Primary antibodies
Applications	WB/IHC-P/IF/ICC/ELISA
Host / Source	Rabbit
Reactivity	Human/Mouse

PRODUCT PROPERTIES

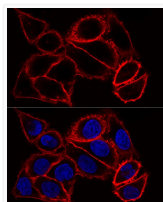
Clonality	Polyclonal
Concentration	Lot specific
Conjugation	Unconjugated
Purification	Affinity purification
Dilution Range	WB:1:500-1:1000 IHC-P:1:50-1:200 IF/CC:1:50-1:200 ELISA:Recommended starting concentration is 1 μ g/mL. Please optimize the concentration based on your specific assay requirements.
Formulation	PBS with 0.05% Proclin300, 50% Glycerol, pH 7.3.
Isotype	IgG
Molecular Weight	Protein Mw: 82kDa Observed Mw: 80kDa
Storage Instruction	Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.

TARGET INFORMATION

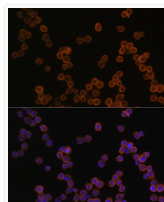
Gene ID	960
Gene Symbol	CD44
UniProt ID	CD44_HUMAN
Immunogen Region	20-178
Immunogen Sequence	AQIDLNITCRFAGVFHVEKN GRYSISRTEADLCKAFNST LPTMAQMEKALSIGFETCRY GFIEGHVVIPRIHPNSICAA NNTGVYILTSNTSQYDYTCF NASAPPEEDCTSVTDLPNAF DGPITITIVNRDGRYVQKG EYRTNPEDIYPSNPTDDDV
Specificity	Recombinant fusion protein containing a sequence corresponding to amino acids 20-178 of human CD44 (NP_000601.3).

ADDITIONAL INFORMATION

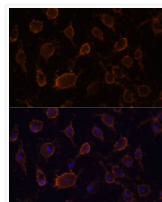
Note **STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.**



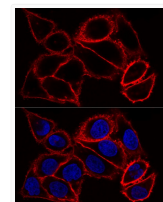
Confocal immunofluorescence analysis of HeLa cells using [KO Validated] CD44 Polyclonal Antibody (STJ114284) at dilution of 1:100. Blue: DAPI for nuclear staining.



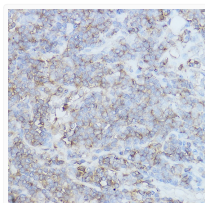
Immunofluorescence analysis of RAW264.7 cells using CD44 antibody (STJ114284) at dilution of 1:100. Blue: DAPI for nuclear staining.



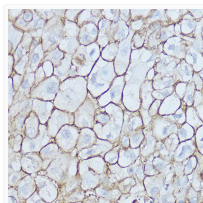
Confocal immunofluorescence analysis of A431 cells using CD44 antibody (STJ114284) at dilution of 1:200. Blue: DAPI for nuclear staining.



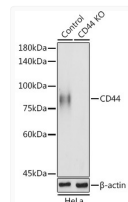
Immunofluorescence analysis of HeLa cells using CD44 antibody (STJ114284) at dilution of 1:100. Blue: DAPI for nuclear staining.



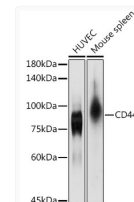
Immunohistochemistry analysis of paraffin-embedded human lung cancer using [KO Validated] CD44 Rabbit polyclonal antibody (STJ114284) at dilution of 1:200 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with immunohistochemistry staining protocol.



Immunohistochemistry analysis of paraffin-embedded human esophageal cancer using [KO Validated] CD44 Rabbit polyclonal antibody (STJ114284) at dilution of 1:200 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with immunohistochemistry staining protocol.



Western blot analysis of extracts from normal (control) and CD44 knockout (KO) HeLa cells, using CD44 antibody (STJ114284) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 μ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 10s.



Western blot analysis of extracts of various cell lines, using CD44 antibody (STJ114284) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 μ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 10s.